

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	26	("20020003774"   "20020064214"   "20020184453"   "20020191535"   "20030012308"   "20030128656"   "20040071104"   "20040160987"   "20040203853"   "5818813"   "5973638"   "6097771"   "6115354"   "6141542"   "6317612"   "6345036"   "6492942"   "6545997"   "6597682"   "6728233"   "6785513"   "6990059"   "6992972"   "7009931"   "7068628"   "7492737").PN.	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:13
L2	4	L1 and (steer\$4 or beamform \$4)	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:13
L3	6	L1 and mimo	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:13
L4	6	(L3 or L2) and mimo	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:13
L5	138	MIMO same spatial with multipl \$ same steer\$4	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:13
L6	192	((J) near2 (WALTON)).INV.	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:14
L7	178	((JOHN) near2 (KETCHUM)). INV.	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:14
L8	293	((MARK) near2 (WALLACE)). INV.	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:14
L9	356	((STEVEN) near2 (HOWARD)). INV.	US- PGPUB; USPAT	ADJ	ON	2011/03/16 16:14

L10	19	(L6 or L7 or L8 or L9) and MIMO same spatial with multiplex\$ same steer\$4 and @AD<="20031030"	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:14
L11	17	spatial with (multiplex\$) same (steer\$ or vector or beamform\$4) same MIMO and 370/208-210.ccls.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:14
L12	67	spatial with (multiplex\$ or process\$4) same (steer\$ or vector or beamform\$4) same MIMO and 370/328,334,337-338.ccls.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:14
L13	81	L11 or L12	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:14
L14	19	spatial with (multiplex\$ or process\$4) same (steer\$ or vector or beamform\$4) same MIMO and 375/260-267.ccls. and @AD<="20031023"	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:22
L15	30	MIMO same (OFDM\$2 or channel) and spatial near3 (multiplex\$4 or process\$4) same (vector\$4 or eigen\$5) and spatial near3 (multiplex\$4 or process\$4) same (cod\$4 or modulat\$4 or decod\$4 or crosstalk or interference with (cancel\$ or reduce) or channel with matrix or MMSE) and 375/260-267.ccls. and @AD<="20031023"	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:22
L16	38	MIMO same (OFDM\$2 or channel) and spatial near3 (multiplex\$4 or process\$4) same (vector\$4 or eigen\$5) and spatial near3 (multiplex\$4 or process\$4) same (cod\$4 or modulat\$4 or decod\$4 or crosstalk or interference with (cancel\$ or reduce) or channel with matrix or MMSE) and 370/208-210.ccls.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:22

L17	56	MI Mo same (OFDM\$2 or channel) and spatial near3 (multiplex\$4 or process\$4) same (vector\$4 or eigen\$5) and spatial near3 (multiplex\$4 or process\$4) same (cod\$4 or modul\$4 or decod\$4 or crosstalk or interference with (cancel\$ or reduce) or channel with matrix or MMSE) and 375/345,347-348.ccls.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:22
L18	113	L14 or L15 or L16 or L17	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:22
L23	194	370/328,334,337,338.ccls. and MIMO.bsum. and spatial with multiplex\$	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:25
L24	18	("20020072336"   "20020127978"   "20040052228"   "20050227628"   "20080285488"   "20080285669"   "20100183088"   "20100260060"   "5832387"   "6163296"   "6862440"   "6987849"   "7012978"   "7095709"   "7298805"   "7324429"   "7636573"   "7653415").PN.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:26
L25	56	MI Mo same (OFDM\$2 or channel) and spatial near3 (multiplex\$4 or process\$4) same (vector\$4 or eigen\$5) and spatial near3 (multiplex\$4 or process\$4) same (cod\$4 or modul\$4 or decod\$4 or crosstalk or interference with (cancel\$ or reduce) or channel with matrix or MMSE) and 375/345,347-348.ccls.	US-PGPUB; USPAT	ADJ	ON	2011/03/16 16:28

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L19	111	spatial near2 (multiplex\$) same (steer\$ or vector or beamform\$4) same MIMO same (cod\$4 or modulat\$ ) with (symbols or stream or antenna)	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/16 16:24
L20	22	spatial (multiplex\$) same (steer\$ or vector or beamform \$4) same MIMO same (cod\$3 or modulat\$) same estimat\$4 with (channel or symbol or streams or data)	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/16 16:24
L21	29	spatial with (multiplex\$) same (steer\$ or vector or beamform\$4) same MIMO same (cod\$3 or modulat\$) same estimat\$4 with (channel or symbol or streams or data)	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/16 16:24
L22	22	spatial (multiplex\$) same (steer\$ or vector or beamform \$4) same MIMO same (cod\$3 or modulat\$) same estimat\$4 with (channel or symbol or streams or data)	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/03/16 16:25

3/16/2011 4:30:40 PM

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